

Converting Colors

$Yxy(67.8306, 0.3031, 0.3317)$

Have a look what the booklet for
Yxy(67.8306, 0.3031, 0.3317)
contains.

Yxy(67.6572, 0.3027, 0.3313)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.6572, 0.3027, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	CADAD8
RGB	202, 218, 216
RGB Percent	79%, 85%, 85%
CMY	0.2079, 0.1450, 0.1531
CMYK	0.07, 0.00, 0.01, 0.15
HSL	172°, 18%, 82%
HSV	172°, 7%, 85%
XYZ	61.8166, 67.6572, 74.7435
YIQ	212.9880, -8.8940, -4.0140

Conversions

Conversions Part 2

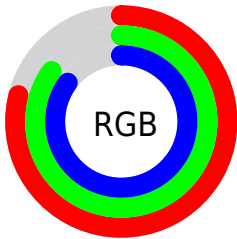
Format	Color
R_{YB}	202, 211, 218
Decimal	13294296
CIE _{Lab}	85.83, -5.74, -0.85
CIE _{LCh}	86, 5.802, 188.434
Yxy	67.6572, 0.3027, 0.3313
Android (android.graphics.Color)	4291484376 (0xFFCADAD8)
YUV	212.9880, 1.4849, -9.6365
Hunter-Lab	82.2540, -9.7959, 3.7015

Details

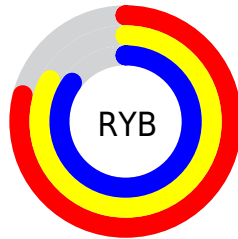
The Yxy color **67.6572, 0.3027, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.5032, 0.3237, 0.3267**, and the grayscale version is **66.5244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0635, 0.3005, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **64.6883, 0.2896, 0.3347**, and if you desaturate by 10%, it is **71.0639, 0.3164, 0.3282**.

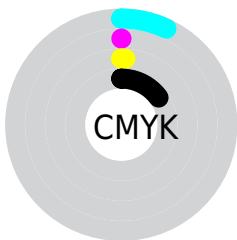
Distribution



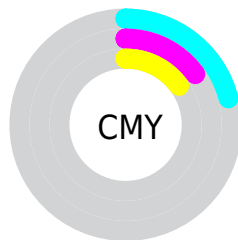
- Red (79%)
- Green (85%)
- Blue (85%)



- Red (79%)
- Yellow (83%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



- Cyan (21%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6572, 0.3027, 0.3313 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 67.6572, 0.3027, 0.3313 by changing the saturation by 10% instead.

■ 67.6572, 0.3027,
0.3313

■ 67.6572, 0.3027,
0.3313

452.2805, 0.3074,
0.3302

■ 49.6189, 0.3016,
0.3315

115.8616, 0.3043,
0.3309

■ 35.1107, 0.3003,
0.3318

146.7965, 0.3050,
0.3308

■ 23.7481, 0.2985,
0.3322

182.7991, 0.3055,
0.3307

■ 15.1469, 0.2963,
0.3327

224.2537, 0.3060,
0.3306

■ 8.9226, 0.2931,
0.3334

271.5447, 0.3064,
0.3305

■ 4.6907, 0.2884,
0.3344

325.0566, 0.3068,

■ 2.0670, 0.2809,

0.3304

385.1737, 0.3071,
0.3303

0.3360

0.6459, 0.2517,
0.3431

0.0000, 0.0000,
0.0000

67.6572, 0.3027,
0.3313

67.6572, 0.3027,
0.3313

64.6883, 0.2896,
0.3347

71.0639, 0.3164,
0.3282

62.1306, 0.2774,
0.3384

74.9166, 0.3304,
0.3254


59.9678, 0.2664,
0.3423


76.8081, 0.3354,
0.3227

58.1792, 0.2568,
0.3465


76.9606, 0.3334,
0.3200


 56.7423, 0.2489,
0.3508


 77.1155, 0.3315,
0.3172

 55.6319, 0.2428,
0.3553


 77.2730, 0.3295,
0.3145


 54.8196, 0.2387,
0.3598

 77.4330, 0.3276,
0.3117

 54.2722, 0.2365,
0.3642

 77.5955, 0.3257,
0.3090

 53.9449, 0.2361,
0.3687

 77.7605, 0.3238,
0.3063

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6572, 0.3088, 0.3372



67.6572, 0.3027, 0.3313



67.6572, 0.2992, 0.3248

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6572, 0.3027, 0.3313



67.6572, 0.3093, 0.3175



67.6572, 0.3263, 0.3383

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.6572, 0.3027, 0.3313



61.5032, 0.3237, 0.3267

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.6572, 0.3264, 0.3330



67.6572, 0.3027, 0.3313



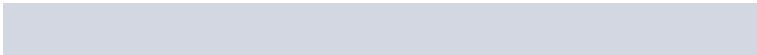
67.6572, 0.3165, 0.3210

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6572, 0.3027, 0.3313



67.6572, 0.3030, 0.3169



67.6572, 0.3228, 0.3267



67.6572, 0.3225, 0.3412

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6572, 0.3027, 0.3313



67.6572, 0.2989, 0.3211



67.6572, 0.3228, 0.3267



67.6572, 0.3267, 0.3367

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.6601, 0.3027, 0.3313



99.0037, 0.3099, 0.3296



67.2676, 0.3134, 0.3475



21.2013, 0.3101, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6601, 0.3027, 0.3313



95.7170, 0.3004, 0.3319



64.7724, 0.3014, 0.3222



14.7995, 0.2999, 0.3320



32.2840, 0.2359, 0.3692



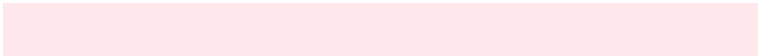
2.0997, 0.2339, 0.3619

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.5032, 0.3237, 0.3267



84.9983, 0.3266, 0.3262



64.2158, 0.3246, 0.3357



13.0784, 0.3272, 0.3260



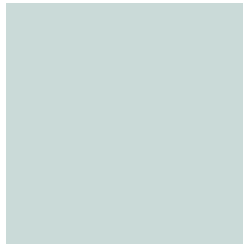
8.9883, 0.6231, 0.3206



0.5914, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 67.6572, 0.3027, 0.3313 looks on a white background.

Color Contrast Check

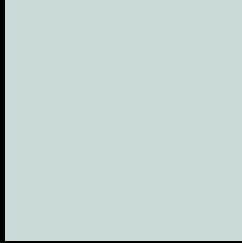
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.6572, 0.3027, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

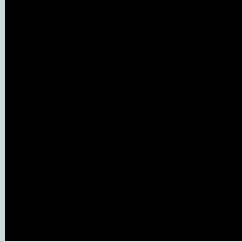
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

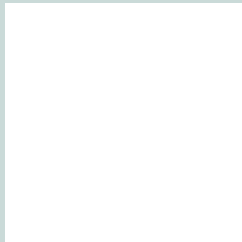
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6572, 0.3027, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 67.6572, 0.3027, 0.3313.



This preview shows how white text looks on a background with the Yxy color 67.6572, 0.3027, 0.3313.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.6572, 0.3027, 0.3313

Protanopia

67.2980, 0.3164, 0.3290

Deuteranopia

67.4973, 0.3245, 0.3183



Tritanopia

67.4632, 0.2939, 0.3089

Trichromacy



Original Color

67.6572, 0.3027, 0.3313

Protanomaly

67.4530, 0.3112, 0.3301

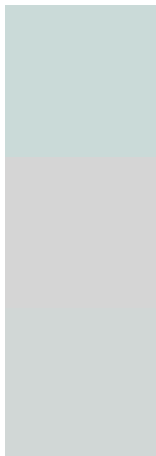
Deuteranomaly

67.6263, 0.3167, 0.3235

Tritanomaly

67.4952, 0.2970, 0.3166

Monochromacy



Original Color

67.6572, 0.3027, 0.3313

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.0112, 0.3090, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6572, 0.3027, 0.3313 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 218, 216)` looks like.

```
.text, #text, p{  
    color:rgb(202, 218, 216)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 218, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 218, 216) }
```

Border

The CSS property to change the border of an element to Yxy 67.6572, 0.3027, 0.3313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 218, 216) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 218, 216) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 218, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 218, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 218, 216);  
box-shadow:4px 4px 4px 4px rgb(202, 218,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6572, 0.3027, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 218, 216) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
218, 216) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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